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GOVERNMENT OF PUDUCHERRY

CHIEF SECRETARIAT (HOUSING)

(G.O. Ms. No. 6/2010-Hg., dated 19th March 2010)

NOTIFICATION

Whereas to meet the growing demands of the public for supply of adequate water as well as to provide for protection against droughts, it is proposed to introduce the concept of rain water harvesting and also reuse / recycling of domestic waste water for appropriate purposes after primary, secondary or tertiary treatment;

And whereas the proposal of the Puducherry Town and Country Planning Department in this behalf has been examined and to achieve the objects stated in the first paragraph above, it has become necessary to make suitable provision in the Puducherry Building Bye-laws and Zoning Regulations, 1972;

Now, therefore, in exercise of the powers conferred by clause (iii) of sub-section (2) of section 47 of the Puducherry Town and Country Planning Act, 1969 (Act No. 13 of 1970), the Lieutenant-Governor, Puducherry in consultation with the Town and Country Planning Department is pleased to make the following further to amend the Puducherry Building Bye-laws and Zoning Regulations, 1972, namely:—

AMENDMENT

In the Puducherry Building Bye-laws and Zoning Regulations, 1972, after clause 43, the following clauses shall be inserted, namely:-

“43. A. Regulations for conservation of rain water:-

(1) Effective measures shall be taken within the premises for conservation of rain water. Workable roof top rain water harvesting arrangements shall be provided as an integral part of all new building constructions for the following occupancies, namely, residential, offices, public buildings and commercial buildings such as malls, shopping centers and cinema halls, educational and health institutions and industry with terrace area as mentioned in the table below :

TABLE

Occupancy	Terrace area / plot area
Residential	Terrace area of 100 sq. m. or more/ plot area of 200 sq. m. or more.
Offices and public buildings, commercial buildings, educational and health Institutions and industrial buildings.	Terrace area of 200 sq.m. or more/ plot area of 300 sq.m. or more.

(2) The details of the Rain Water Harvesting (RWH) System shall be shown in the site plan enclosed along with the application in Form-I seeking approval for construction and permission to execute the work. Building permission by the Planning Authorities shall not be issued unless adequate RWH Systems are provided in the building plan submitted. The occupancy certificate for new buildings shall be issued by the Planning Authorities only on implementation of the RWH System by the applicant. The authorities concerned shall not extend power, water supply and sewer connections to the buildings unless the owner of the building obtains the occupancy certificate from the concerned Planning Authority.

(3) Exemption in respect of implementing the Rain Water Harvesting System may be granted in respect of cases where water logging is common or in areas with impermeable subsoil conditions to considerable depth. The assessment of the conditions of the subsoil may be made by the Planning Authority in consultation with the State Ground Water Unit of the Agriculture Department, Puducherry.

(4) The roof top rain water harvesting arrangements shall have the following components, namely:—

- (i) Roof's catchment area;
- (ii) Flat roofs sloped towards edges with rain water outlet pipes and roof gutters for sloping roofs;
- (iii) Down pipe for transporting rain water from roofs to the ground level;
- (iv) First flush pipe arrangement for diverting debris, dirt and dust on the roofs; and
- (v) A filter unit comprising a container or chamber filled with filter media at the ground level.

(5) The other components on how the rain water is to be utilised, that is, for ground water recharging or for direct use, shall be as follows:—

A. For storing and reuse of the rain water:

(a) A storage tank that has provision for drawing water and for spillover of excess water is to be provided; and

(b) For charging the ground water aquifers, the water from the filter unit shall be diverted to suitable structures like dug wells, bore wells, recharge trenches or recharge pits for charging the ground water aquifers.

B. For ground water recharging:

(a) Through direct channeling of surface water to abandoned wells or hand-pumps, recharge pits or recharge trenches, or to through recharge shafts.

(b) Directing of harvested rain water to pumping wells.

Note:- Additional arrangements for carrying the spillover water from storage tank to recharge well or percolation pit shall be provided.

(6) The owner(s) / occupier(s) shall maintain the roof top rain water harvesting arrangements and artificial ground water recharge arrangements in good working conditions.

(7) The Planning Authorities and Local Bodies of the Union territory of Puducherry shall enforce workable artificial ground water recharging arrangements as an integral part of all new building constructions through collection of roof top rain water.

43. B. Regulations for reuse of waste water:-

(1) Effective measures shall be taken within the premises of various categories of buildings as mentioned in the Table below for reuse of waste water.

TABLE

Occupancy	No. of dwelling units / plot area
Apartments or group housing complexes.	20 dwelling units or more.
Offices and public buildings, commercial buildings, educational and health institutions and industrial buildings.	Plot area of 2,000 sq. m. or more/ minimum sullage discharge of 10,000 litres and above per day.

(2) The details of the water reuse infrastructure facilities such as plumbing plants, waste water treatment and disposable arrangements shall be shown in the site plan enclosed along with the application in Form-I. Building permission by the Planning Authorities shall not be issued unless adequate water reuse arrangements are provided in the building plan submitted. The occupancy certificate for new buildings shall be issued by the Planning Authorities only after water reuse arrangements are completely implemented. The authorities concerned shall not extend power, water supply and sewer connections to the buildings unless the owner of the building obtains the occupancy certificate from the concerned Planning Authority.

(3) The recycling of waste water arrangements shall have the following components:-

(i) Separate conveyance system for sewage and sullage to facilitate reuse of sullage water for treatment and for reuse;

(ii) Suitable storage and treatment facilities for collection of sullage water. The waste water treatment facilities shall fulfill the standards specified by the Puducherry Pollution Control Committee, Puducherry; and

(iii) Separate overhead tank and pumping facilities for fresh water and reuse water.

(4) The use of recycled water for flushing, washing and for watering gardens shall be after primary, secondary and tertiary treatments as advised by the Puducherry Pollution Control Committee. The Planning Authorities and Local Bodies of the Union territory of Puducherry shall enforce workable recycling of waste water arrangements as an integral part of all new building constructions through collection of sullage water.”.

(By order of the Lieutenant-Governor)

V. MANIVANNAN,

Under Secretary to Government (Housing).

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